

# EXHIBIT A

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## Aladdin Announces SmartHASP Software Protection on a Smart Card.

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TEL AVIV, Israel--(BUSINESS WIRE)--July 2, 1998--

Industry-Leading Security with Unparalleled Ease-of-Use

[Aladdin Knowledge Systems Ltd.](#) (NASDAQ: ALDNF), a leading developer of solutions for the secure licensing and distribution of digital content, today announced SmartHASP(TM), the latest addition to [HASP](#), the industry-leading hardware-based software protection system.

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SmartHASP combines the traditional security of HASP with the up-to-the-minute technology of smart cards, building on Aladdin's reputation as a leader both in software protection and smart card development.

"With the announcement of USBHasp and Hardlock-USB, we confirmed our position as the innovators in the field of software security. Now SmartHASP takes us one stage further, providing next-generation solutions for managing and controlling network-based applications," says Aladdin's VP R&D [Rami Kasterstein](#).

SmartHASP utilizes a CPU-based smart card with 496 bytes of internal read/write memory that can control access to different software modules, save passwords or other sensitive data. Such features facilitate innovative marketing and distribution techniques such as time-limited, demo, rental or leased software and have been field-proven by MemoHASP, Aladdin's most popular mainstream protection key.

SmartHASP works in conjunction with a [PC/SC](#) compliant read/write drive, and with Aladdin's [ASEDrive](#). The integration of smart card drives into PCs is becoming more widespread in network environments. System integrators recognize the versatility of smart cards across a wide range of applications particularly appropriate to security-conscious networks. These range from simple PC-access control through to sophisticated authentication procedures based on biometric recognition.

The problem of protecting software on networks was highlighted by the 1998 BSA/SPA study which

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showed that 40% of office software was in illegal use.

"We believe that SmartHASP will further prove to developers and end-users that software protection is simple to implement, transparent in operation and an effective barrier to piracy," comments Rami Kasterstein.

#### About Aladdin:

Aladdin Knowledge Systems is a global leader in the secure licensing and distribution of digital content. Aladdin's product range includes HASP(R) and Hardlock(R), key-based software security systems which monitor software licensing and prevent unauthorized use of computer programs, Privilege(TM), a suite of software licensing and metering tools for developers and corporate IT managers, and ASE(R) -- The Aladdin Smartcard Environment -- a set of smart card application development tools for integrating smart cards with PCs. Aladdin is an ISO 9002 accredited company with headquarters in Tel Aviv, Israel, 5 international offices and distributors in more than 40 countries, serving over 25,000 clients worldwide. For more information, visit the Aladdin home page at <http://www.aks.com>.

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# eToken PRO Smartcard – Security and Strong Two-Factor Authentication

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eToken PRO Smartcard is your card for strong user authentication, password management, secure digital signatures and data security solutions. It also provides easy integration into Public Key Infrastructure (PKI) architectures, enabling secure portable storage of keys and guaranteed non-repudiation for sensitive applications such as online banking, stock trading, and e-commerce. eToken PRO Smartcard leverages the functionality of Aladdin's **industry-leading USB token, eToken PRO**, in a convenient, secure card form factor. It is ideal for users looking for a strong authentication and password management solution with magnetic stripe, and photo ID for visual identification.

## Why eToken PRO Smartcard?

### Extremely Secure

eToken PRO Smartcard provides native support for RSA 2048 keys and enhances security by generating and storing users' personal credentials such as private keys, passwords and digital certificates inside the protected environment of the smart card chip. Users' private keys never leave the token!

### Highly flexible

eToken PRO Smartcard supports all eToken PKI and single sign-on applications, as well as software development tools for seamless integration with third party applications. The token functionality can be extended to be used with your custom applications through the loading of Java applets on-board the tokens. In addition, eToken PRO Smartcard can be customized to include RFID, magnetic stripes, logos, ID photos and more.

### Easy to implement

By supporting industry standard security interfaces and systems, eToken PRO Smartcard ensures easy integration with your organization's current infrastructure and security strategy.

### Easy to use

In order to authenticate, users need only insert their eToken PRO Smartcard into the smart card reader and enter the eToken password.

## Specifications

Supported  
operating systems

Windows 2000/XP/2003/Vista Mac OS X; Linux

API & standards support	PKCS#11 v2.01, Microsoft CAPI, PC/SC, X.509 v3 certificate storage, SSL v3, IPSec/IKE
Memory Size	72K (Java Virtual Machine)
On board security algorithms	RSA 1024-bit / 2048-bit, DES, 3DES, SHA1
Security certifications	In evaluation: FIPS 140-2 and CC EAL4+ PP-SSCD. Common Criteria EAL4+ (smart card chip).
ISO specification support	Support for ISO 7816-1 to 4 specifications
Memory data retention	At least 10 years
Memory cell rewrites	At least 500,000

\* eToken PRO Smartcard 32K, 64K (Siemens CardOS based) is also available. Please inquire for details.



**eToken PRO**



**eToken PRO Anywhere**



**eToken NG-OTP**



**eToken NG-FLASH**



**eToken PRO Smartcard**



**eToken PASS**



**eToken Virtual**



**MobilePASS**

#### **eToken / SafeWord Products**

- eToken Authentication Devices
- eToken Device Management
- Software Developers Kit(SDK)
- eToken Security Applications
  
- SafeWord Applications
- SafeWord Authenticators
- SafeWord Compliance
- SafeWord for Windows

#### **eToken / SafeWord Solutions**

- eToken Overview
- Secure Windows Logon
- Public Key Infrastructure (PKI)
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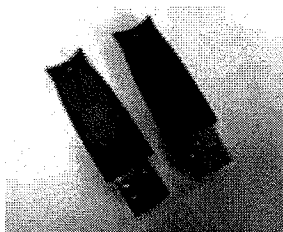
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**Product Description**

EToken PRO, Aladdin's world leading USB smart card token, offers highly secured strong two-factor authentication ensuring valid user access to sensitive business data, applications, and online services.

EToken PRO can generate and store users' personal credentials, such as private keys, passwords and digital

Certificates, inside the protected environment of the smart card chip. To authenticate users must supply both

Their personal eToken device and eToken password, providing a critical added level of security to your digital business resources.

Cost-effective and easy to use, eToken PRO is a portable, reader-less smart card that users can take with them

Wherever they go and plug into any computer with a USB port. With its advanced on-board cryptographic processing capabilities, security certifications and physical tamper-evident and water-resistant casing, eToken PRO is ideal for your corporate network and eBusiness security needs.

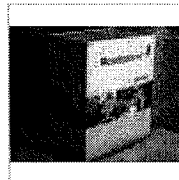
**Features:**

- 1 Highly secure smart card chip; Common Criteria certified
- 2 On-board RSA 1024-bit and 2048-bit key generation, authentication & digital signing
- 3 Standard Microsoft CAPI and PKCS#11 support
- 4 Secure storage and robust file system
- 5 Hardened tamper-evident and water-resistant shell
- 6 Standard USB interface
- 7 Integrated secure logical and physical access with proximity coils Embedded in the eToken devices
- 8 Flexible customized color, security coding and logo printing options

**Benefits:**

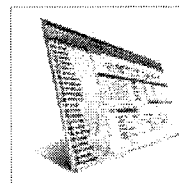
- 1 Secure storage of users' credentials, keys and sensitive information
- 2 Portable USB design: No special reader needed
- 3 High level of identity assurance: Private keys are never exposed outside the eToken
- 4 Simple deployment: Out-of-the-box connectivity to mainstream security applications via standard security interfaces
- 5 Straightforward integration with third party applications using eToken development tools
- 6 Possible to extend token functionality to be used with your custom applications through loading of Java applets on-board the token\*

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- Aladdin HASP HL Max
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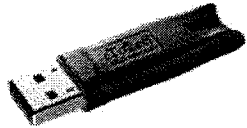
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## Aladdin eToken Pro USB 72k - USB security key ( 10 years )

Mfg # ETPRO72K13511 | Softchoice # GH2594 | UNSPSC # 43211600



### PRODUCT HIGHLIGHTS

- USB security key ( 10 years )

### REAL-TIME AVAILABILITY

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### Product details

### Accessories

Whether you are looking for strong user authentication, password management, secure digital signatures or data security solutions for your organization, you need a smart card-based device. And if it is a highly secure, cost-effective device you are looking for, the eToken PRO USB token is definitely for you. At the size of an average house key, eToken PRO is your key to strong two factor authentication, password management and secure PKI implementation for your organization.

Tech specs

### System Requirements

OS Required Linux, Apple MacOS X, Microsoft Windows 2003, Microsoft Windows Vista / 2000 / XP

### Miscellaneous

Compliant Standards ISO 7816, IEC 60529 IPX8, EAL 4, SHA-1, RSA-1024, Triple DES, RSA-2048, DES  
Hardware Token Lifetime 10 years

### Interface Provided

Connector Provided 4 pin USB Type A x 1

### General

Product Type USB security key  
Product Material Plastic

### Environmental Parameters

Min Operating Temperature 32 °F  
Max Operating Temperature 158 °F

### Helpful Tools:

- >> Leasing information
- >> Returns information

### Last Viewed Items



>> Aladdin eToken Pro  
USB 72k - USB  
security key ( 10 years  
)

**Please call for pricing.**